

FIG. 1

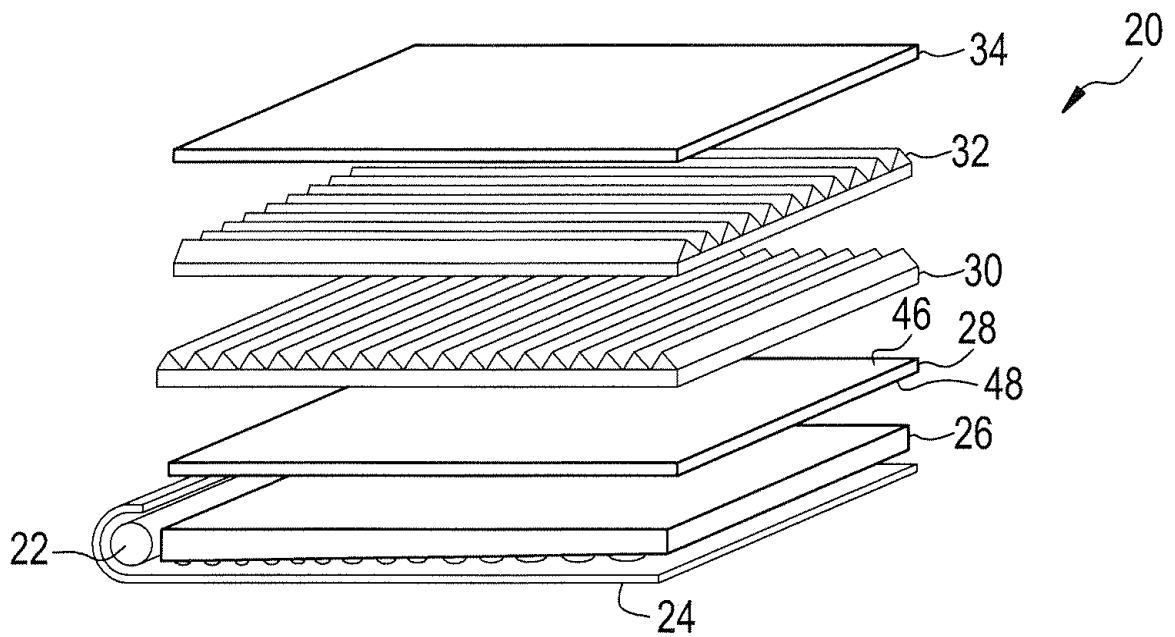


FIG. 2

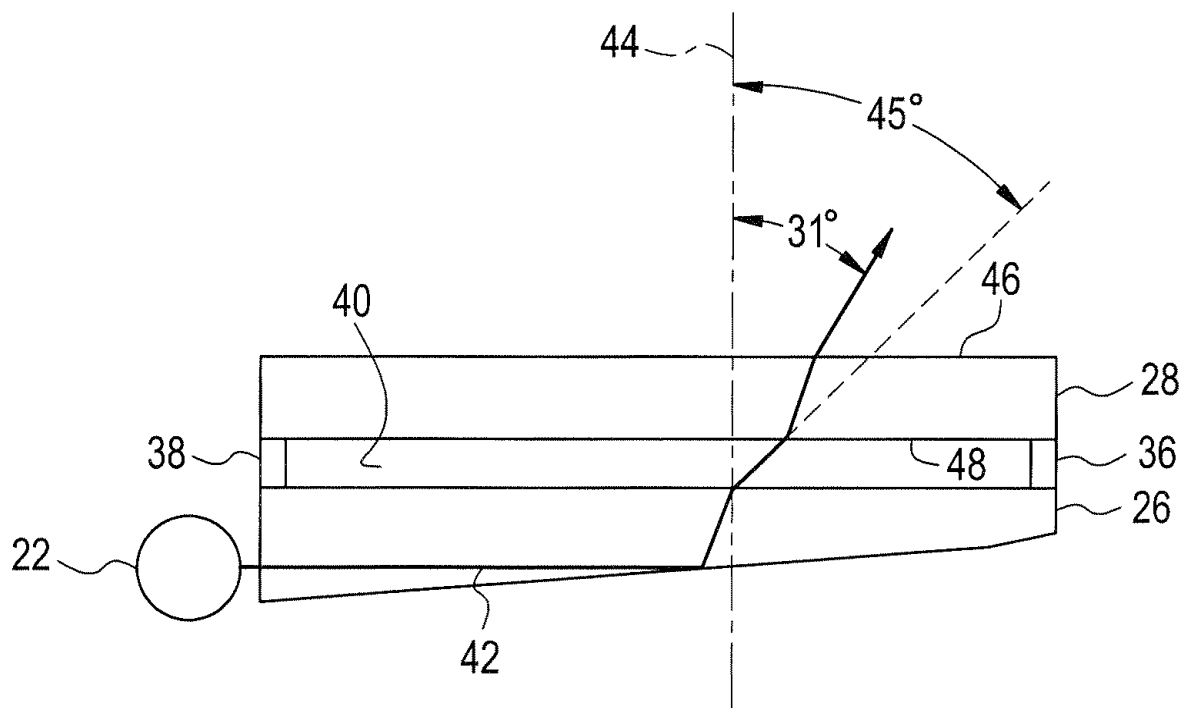


FIG. 3

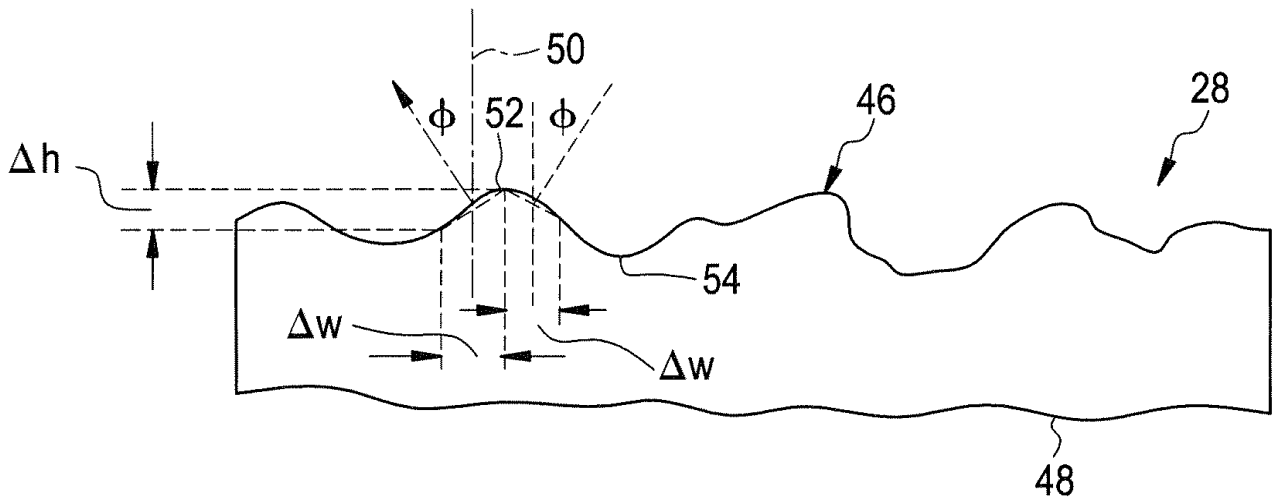


FIG. 4

Polymer Film Front Surface Slope Distribution

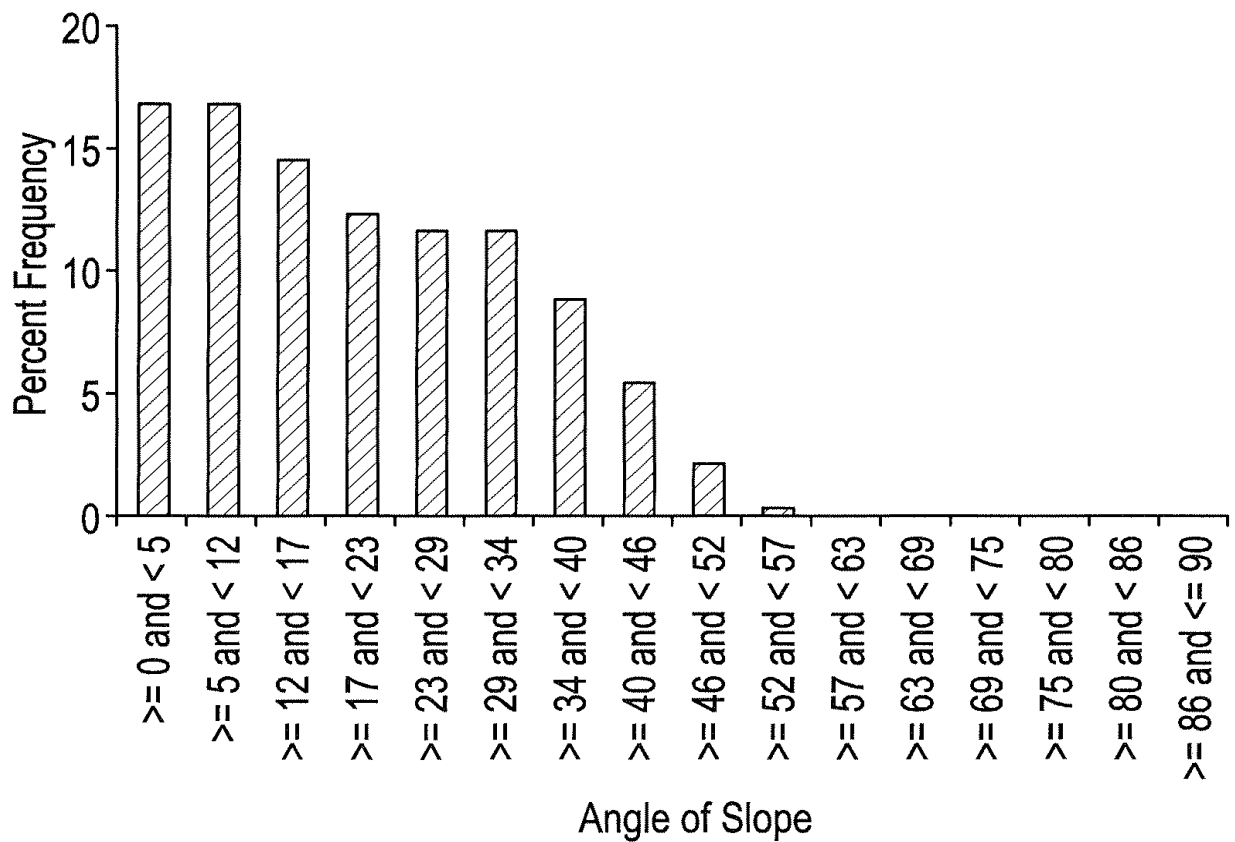


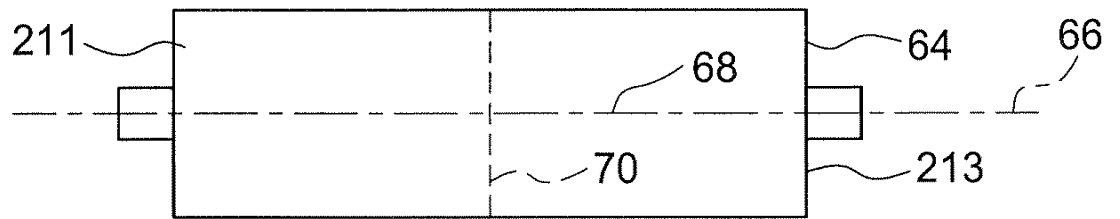
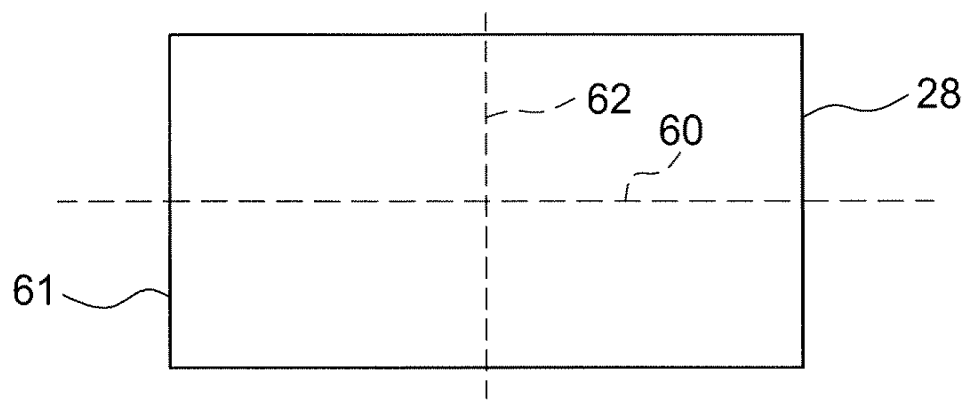
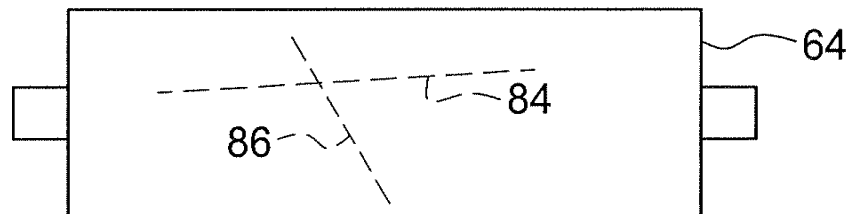
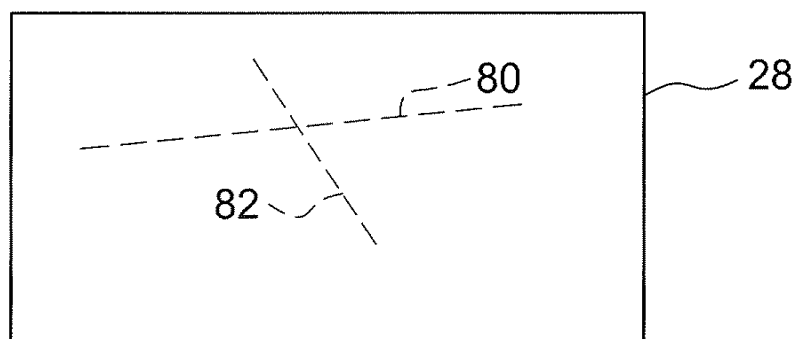
FIG. 5**FIG. 6****FIG. 7****FIG. 8**

FIG. 9

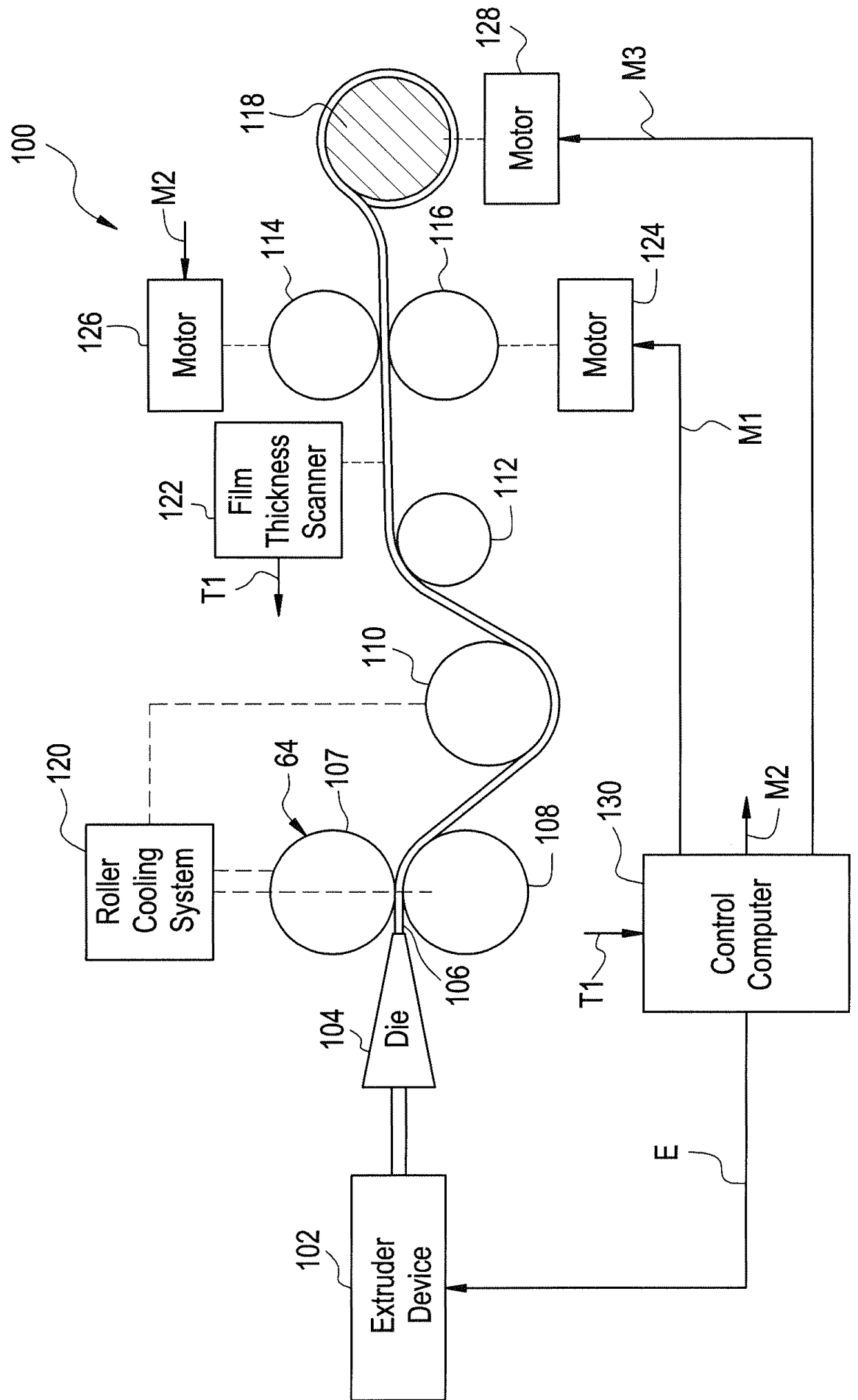


FIG. 10

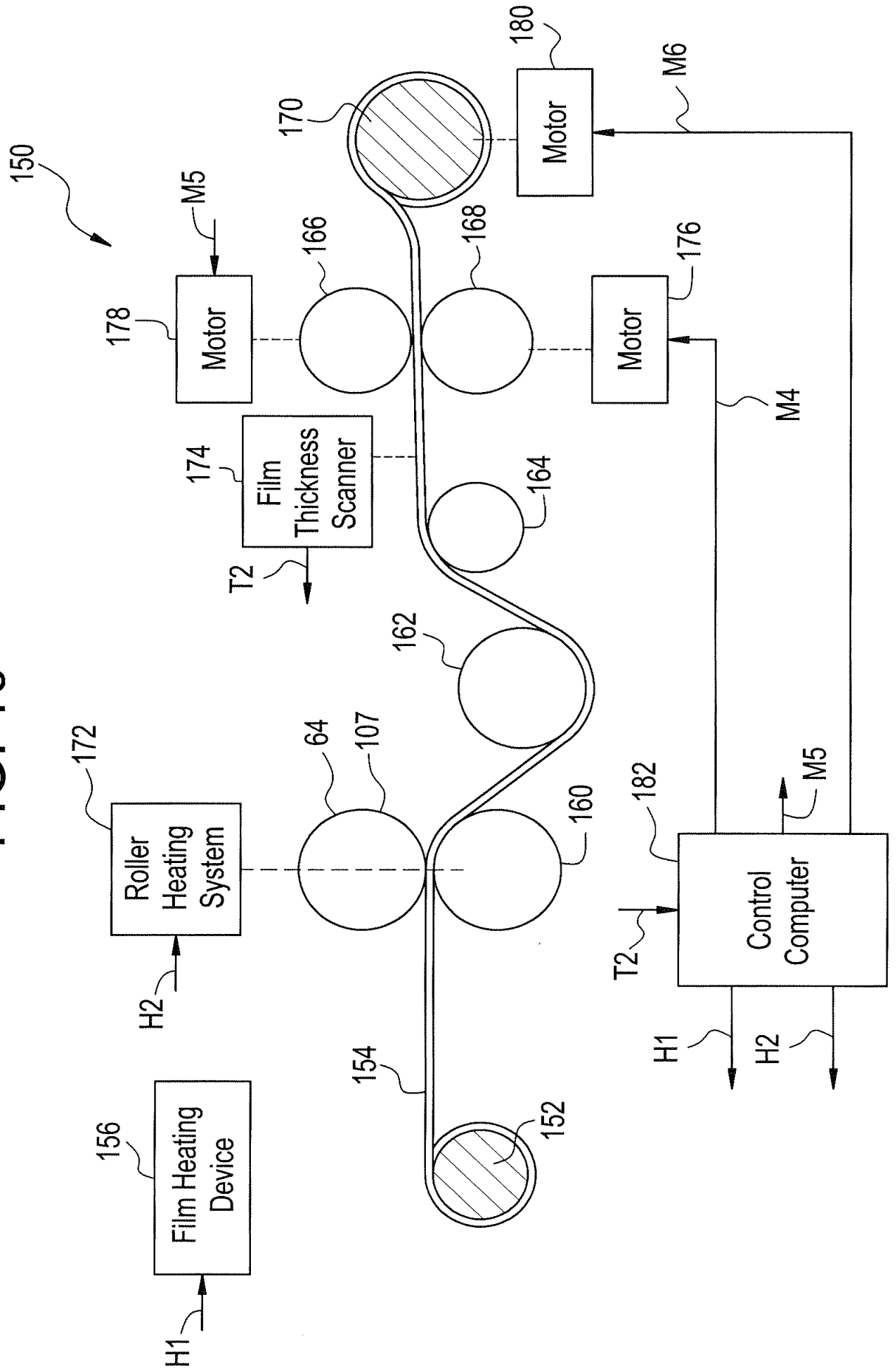
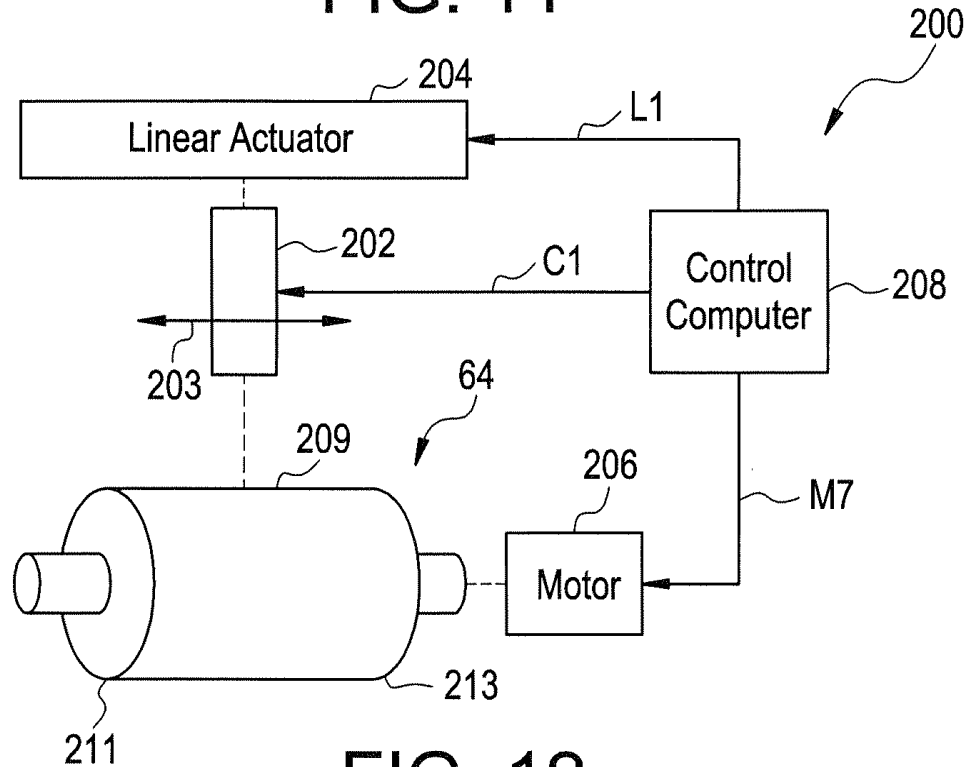
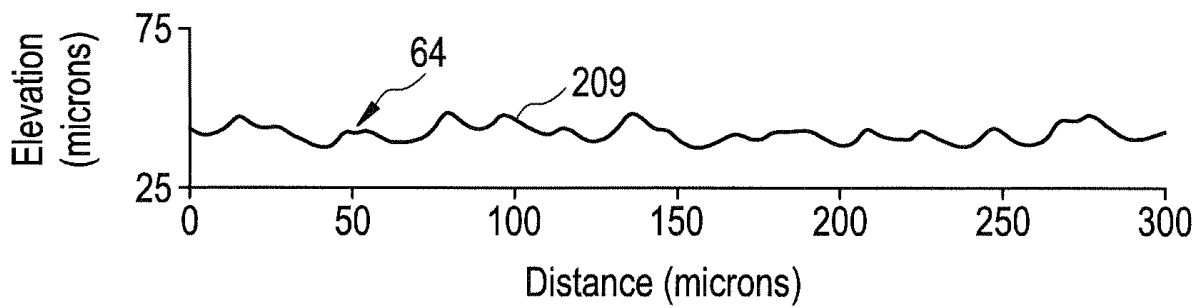


FIG. 11**FIG. 12**

Textured Surface on Cylindrical Roller Obtained
Using Energy Beam Engraving Process

**FIG. 13**

Textured Surface on the Film using Cylindrical Roller Obtained
from Energy Beam Engraving Process

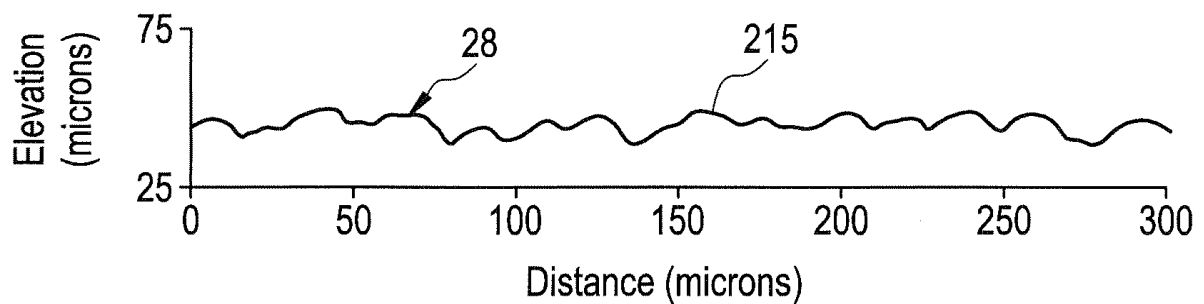


FIG. 14

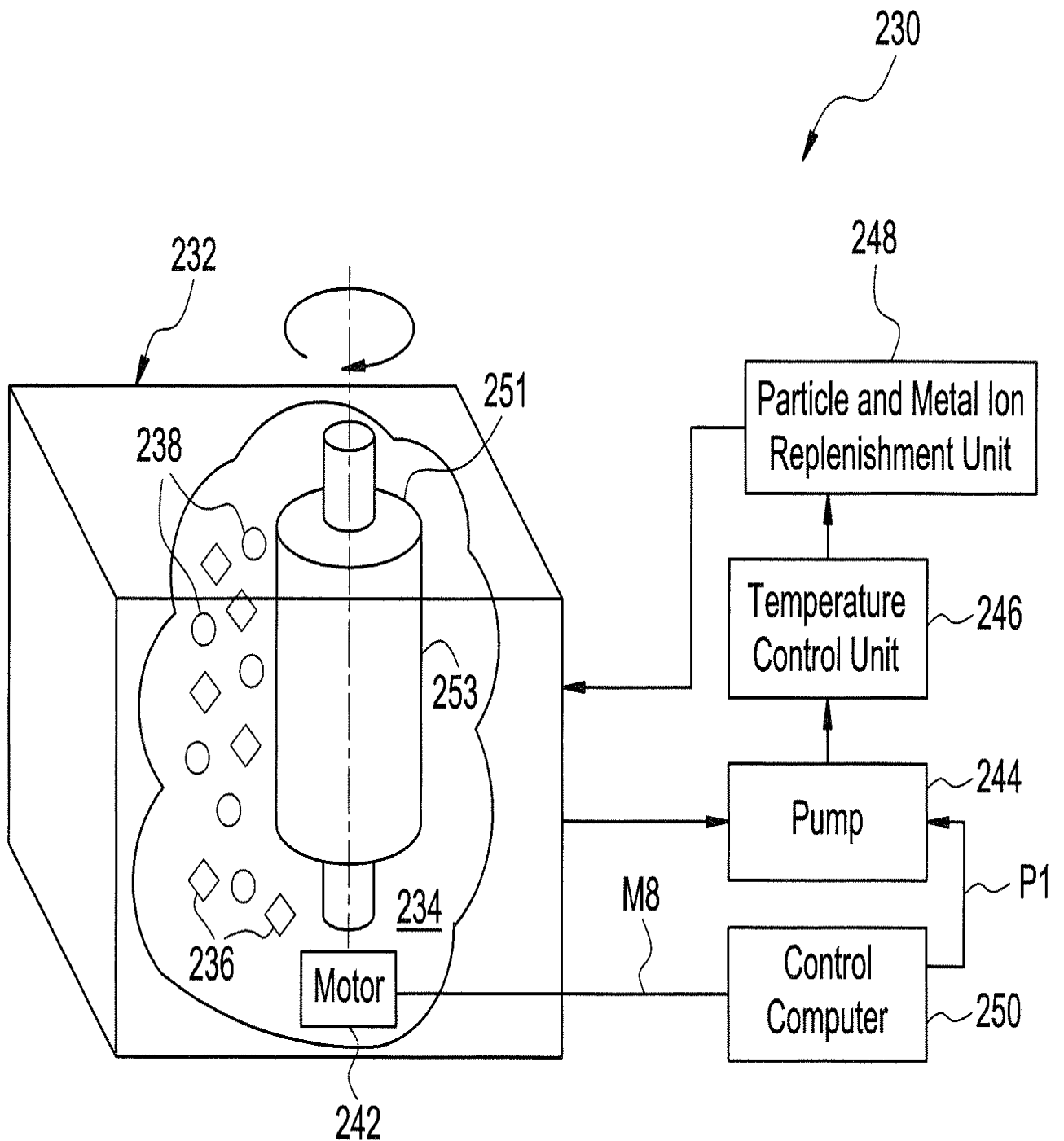


FIG. 15

Textured Surface on Cylindrical Roller Obtained
using Partical-metal Co-deposition Process

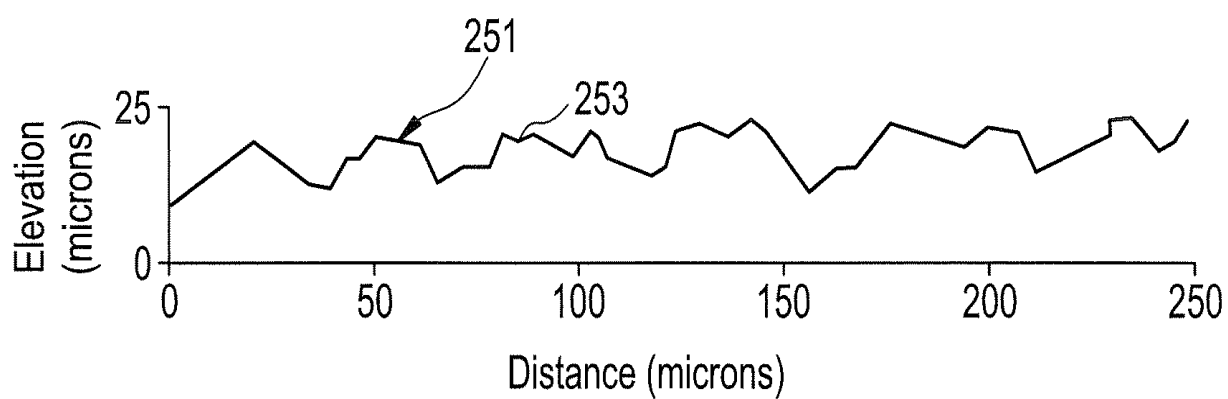


FIG. 16

Textured Surface on the Film using Cylindrical Roller Obtained
from Particle-metal Co-deposition Process

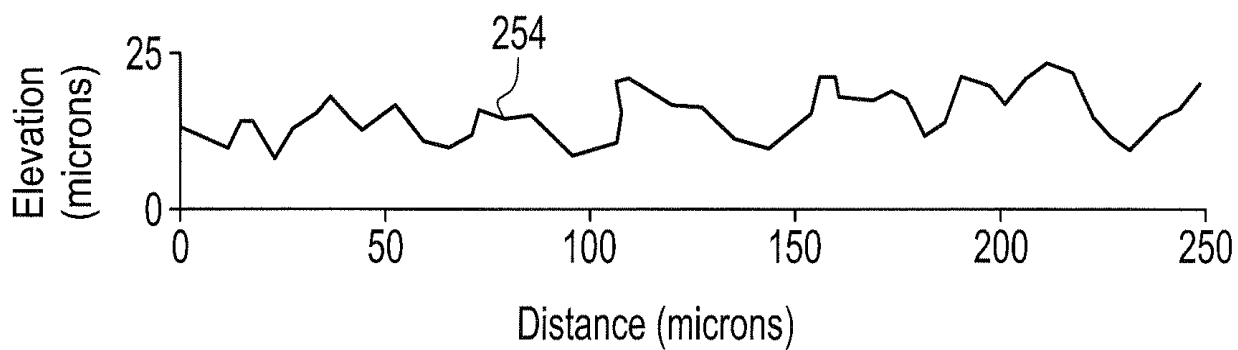


FIG. 17

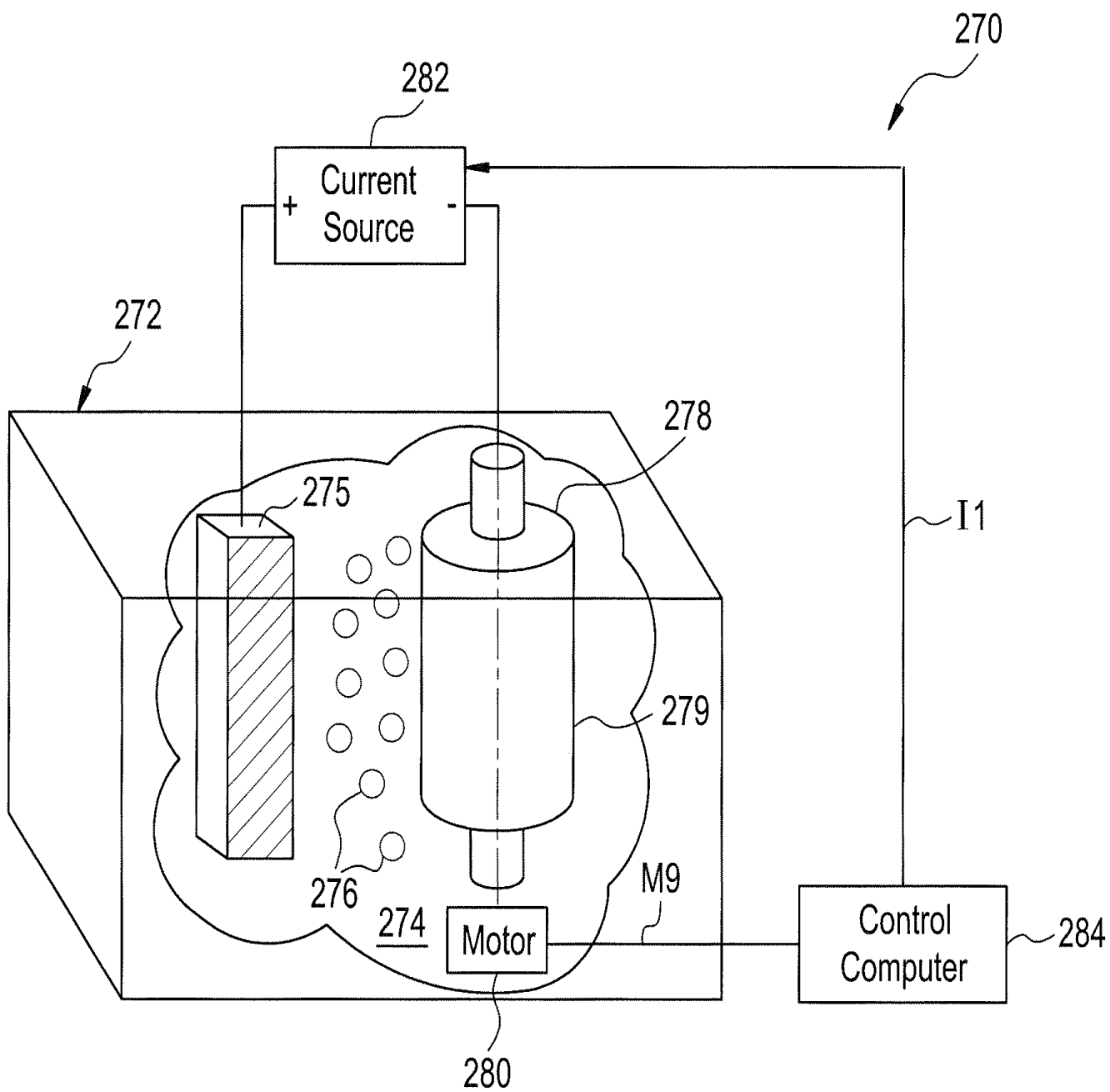


FIG. 18

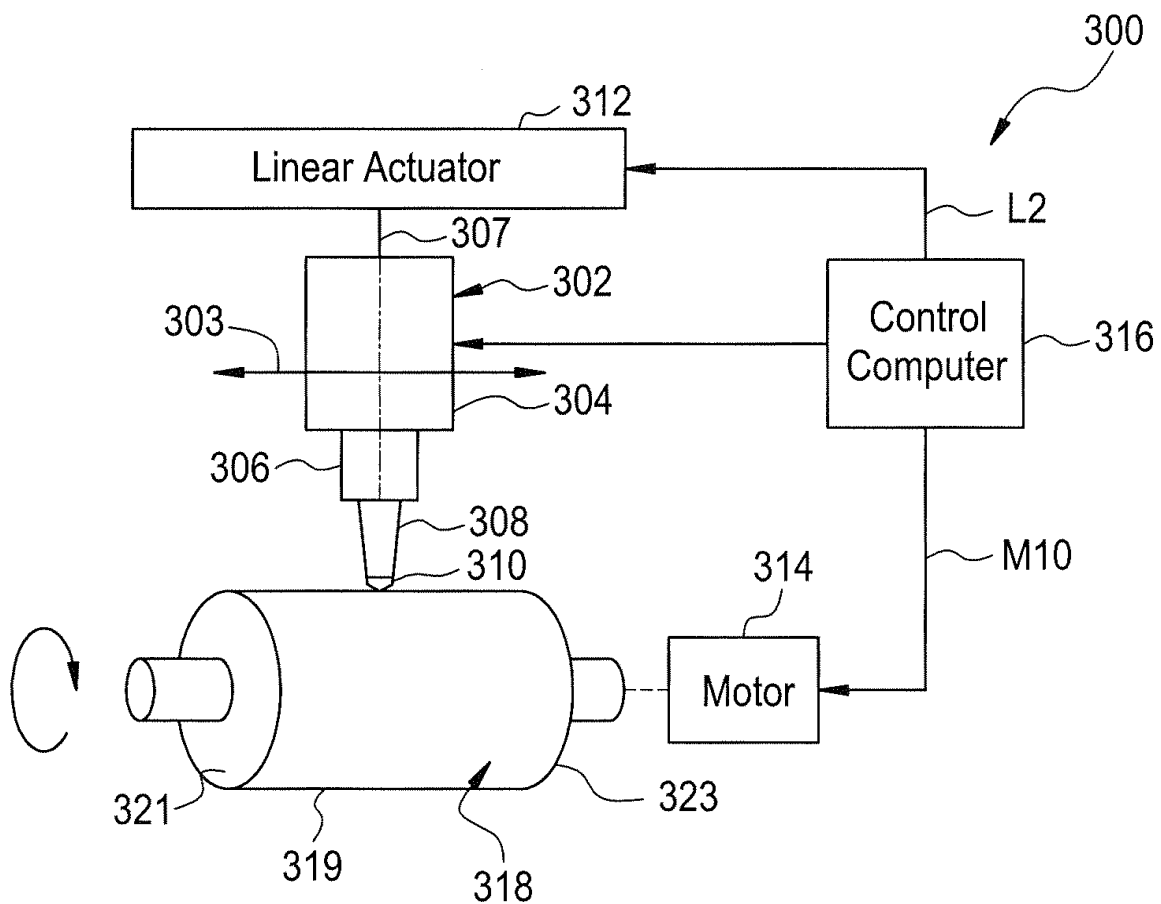


FIG. 19

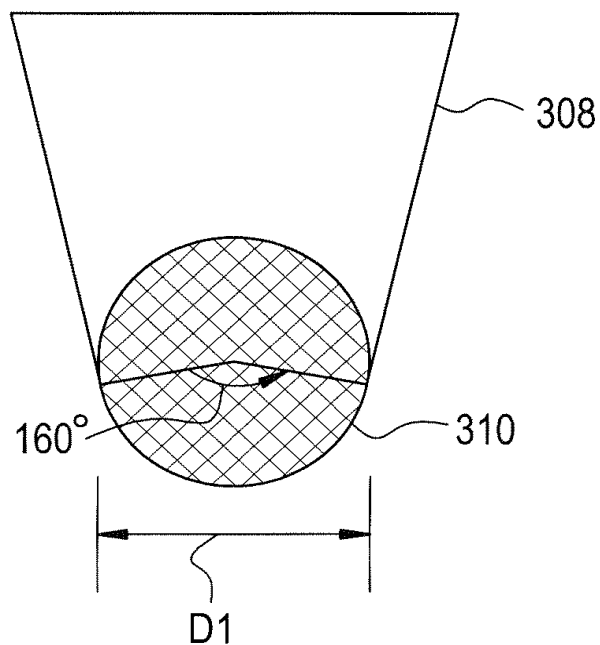


FIG. 20

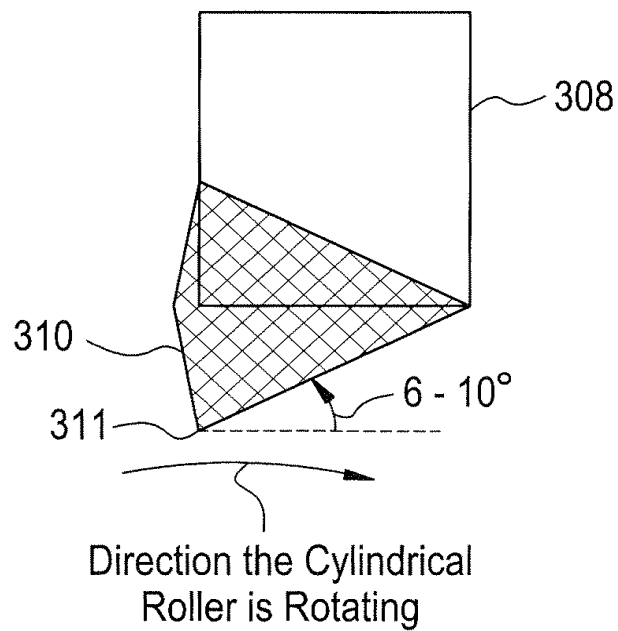


FIG. 21

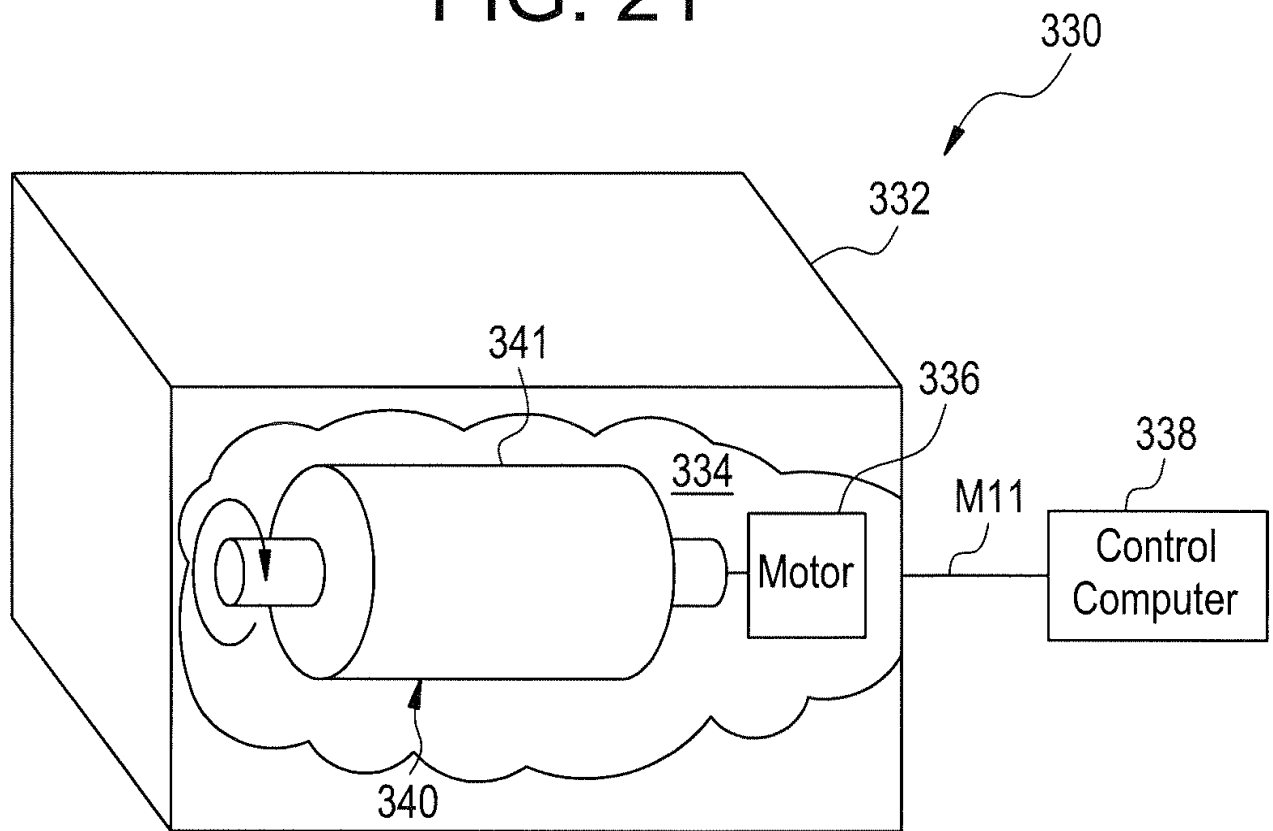


FIG. 22

